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Caroline Benson

ITW
Attorney Docket No.

A2559Q2-US-NP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Steven A. Buhler et al.

Group Art Unit: 2834

Application No.: 10/664,472

Examiner: Not Yet Assigned

Filed: September 16, 2003

Confirmation No.: 4344

For: PIEZOELECTRIC TRANSDUCERS

Commissioner for Patents
P.O. Box 1450
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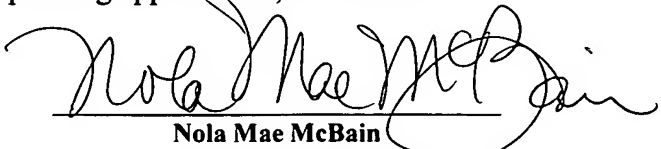
Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) and information listed on the attached PTO-1449 Form. One legible copy of each is attached to the PTO-1449 Form, except for U.S. Patents or published U.S. applications. It is respectfully requested that the references and information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of the above application (excluding an RCE), **OR** (b) before the mailing date of a first Office Action on the merits (including an RCE). *No certification or fee is required.*
- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date **AND** after the date of the first Office Action on the merits, but before the mailing date of a Final Rejection, Notice of Allowance, or other action that closes prosecution. Please debit Xerox Corporation Deposit Account 24-0025 in the amount of \$180.00 in payment of the fee under 37 C.F.R. 1.17(p). *(A copy of this paper is attached.)*
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance; **AND**
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(1); **(OR)**

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- ☐ 4. This Information Disclosure Statement is being filed after the mailing date of a Final Rejection or Notice of Allowance, but before the payment of the Issue Fee. Please debit Xerox Corporation Deposit Account 24-0025 in the amount of \$180.00 in payment of the fee under 37 C.F.R. 1.17(p) (*A copy of this paper is attached*); **AND**
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. 1.97(e)(1); **(OR)**
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- ☐ 5. Per 37 C.F.R. 1.98(a)(3), a concise explanation of the relevance of each of any submitted item that is NOT in the English language is either enclosed herewith, or incorporated in the application specification.
- ☒ 6. A copy of an English language version of an above-referenced counterpart foreign application search report is attached.
- ☐ 7. Copies of some or all of the subject references were cited by, or submitted to the Office in related parent Application No. _____, filed _____, which is relied upon under 35 U.S.C. §120. Thus, copies of these references are not attached (except for copies of cited pending applications). 37 C.F.R. §1.98(d).
- ☐ 8. A copy of each copending application recited in the parent application of paragraph 7 above, and/or a copy of other related copending applications, is enclosed.



Nola Mae McBain
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Form PTO-1449

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ATTY DOCKET NO.
A2559Q2-US-NP

APPLICATION NO.
10/664,472

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

APPLICANT Steven A. Buhler et al.

FILING DATE 9/16/2003

GROUP ART UNIT 2834

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE	CLASS	SUB CLASS
	4,613,875	Sep. 23, 1986	Le et al.	346	140

FOREIGN PATENT DOCUMENTS

	COUNTRY	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	TRANSLATION Y/N
	EPO	0 803 918 A1	Oct. 29, 1997	Seiko Epson Corporation	Y
	EPO	0 787 588 A2	Aug. 6, 1997	Sony Corporation	Y

OTHER DOCUMENTS (Including Author (in CAPS), Title, Publication Date, Pages, etc.)

	European Search Report for EPO Counterpart Application No. EP 03 028 768.4 14 July 2004

EXAMINER

DATE CONSIDERED

Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
① X✓	EP 0 803 918 A (SEIKO EPSON CORP) 29 October 1997 (1997-10-29) * column 9, line 19 - column 10, line 36; figures 7-10 *	1-10	B41J2/14
② X✓	EP 0 787 588 A (SONY CORP) 6 August 1997 (1997-08-06) * column 15, line 24 - column 17, line 44; figures 38,41 *	1,9,10	
③ X✓	US 4 613 875 A (LE HUE P ET AL) 23 September 1986 (1986-09-23) * column 6, line 54 - column 7, line 17; figures 1,2 *	1,9,10	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B41J
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 14 July 2004	Examiner Vorwerg, N
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	